

Uniaxial Fatigue – SVECD

Accessories

ADVANCED PAVEMENTS TESTING SYSTEMS



IPC Global has increased the functionality of the AMPTs or Universal Testing Machines (UTM) with the addition of an optional hardware which would enable uniaxial fatigue tests to be conducted on asphalt cylinders.

The Uniaxial Fatigue Kit allows the AMPT or UTM to perform tension tests, including Dr. Richard Kim's Simplified Viscoelastic Continuum Damage (S-VECD) test and the Simplified Continuum Damage Uniaxial Fatigue (SCDUF) test.

Specifications

Features

- Increases the functionality of AMPTs or Universal Testing Machines
- Easy to implement on existing AMPTs or UTMs
- IPC Global provides specialised UTS tension test software
- Optional gluing jig to ensure quick, easy and accurate alignment of top and bottom platens

Test Standards

- SAASHTO TP 107 – Damage Characteristic Curve from Direct Tension Cyclic Fatigue (SVECD)
- SCDUF Simplified Continuum Damage Uniaxial Fatigue – Advanced Asphalt Technology

Specimen Size

Size 100 x 130mm (Dia.xH)

Weight

Specimen Tension Platen 4.5kg*

Tension Platen Gluing Jig 8kg

*(Requires 2 platens per test)

Ordering Information

PV70610 – Uniaxial Fatigue Tension Platens

PV70611 – Tension Platen Gluing Jig (Single)

Additional accessories may be required to create a working testing system. Please contact us for advice.

Testing Made Easy

The kit comprises top and bottom tension platens and additional hardware to allow tension platens to be mounted inside the AMPT. The optional Tension Platen Gluing Jig ensures fast and precise alignment of the platens to ensure the most accurate results.

IPC Global's superior UTS software is known for its simplicity in use, clarity of results and analytical power. UTS Software allows for real time graphing of results and configurable real time transducer levels screen, as well as customisable test templates to streamline the testing process.



Uniaxial Fatigue Kit

Superior Performance

IPC Global offers a wide variety of accessories to extend the range of their advanced testing machines. The range includes fixtures for performing a variety of tests to local and international standards, displacement transducers and specimen preparation equipment. IPC Global's accessories are constructed of high quality robust materials thus ensuring superior performance and appearance for years to come.



Tension Platen Gluing Jig (specimen not included)



Uniaxial Fatigue platens and tension ring (specimen not included)

► IPC Global Customer Care

At IPC Global we are proud of our products.

We are dedicated to supplying high quality, accurate, affordable, easy-to-use systems for Advanced Testing of asphalt, binders and other pavement materials. As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we offer full installation and training in the correct operation of your IPC Global equipment. For support from our expert Customer Care Team, contact your local IPC Global-Controls office/distributor or email ipcglobalsupport@controls-group.com.

Visit our website for more information www.controls-group.com/ipcglobal.



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